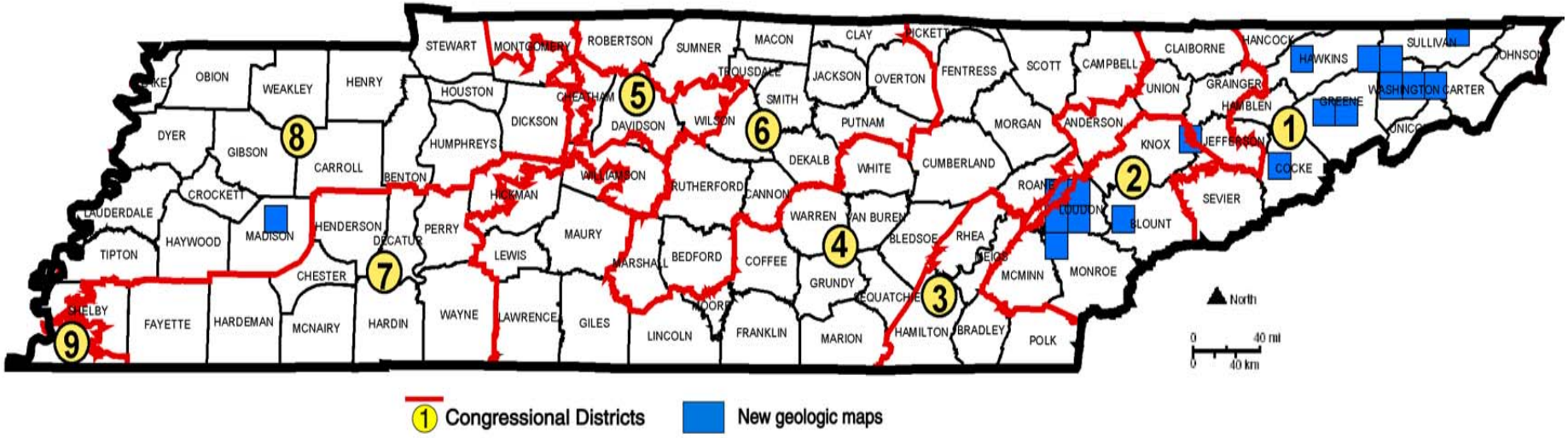
Association of American State Geologists

United States Geological Survey

National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

TENNESSEE



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SUMMARY OF STATEMAP
GEOLOGIC MAPPING PROGRAM IN TENNESSEE

FFY	Project Title / Scale	State Dollars	Federal Dollars	Total Project Dollars
1994	**Greeneville** Geologic Map, 1:24,000	$15,000	$15,000	$30,000
1995	**Johnson City** and **Bristol** Geologic Maps, 1:24,000	$12,468	$12,468	$24,936
1996	**Lenoir City** Geologic Map, 1:24,000	$11,688	$11,688	$23,376
1998	**Jonesborough** Geologic Map, 1:24,000	$16,000	$16,000	$32,000
1999	**Loudon** Geologic Map, 1:24,000	$16,864	$16,864	$33,728
2000	**Sweetwater, Philadelphia,** and **Cave Creek** Geologic Maps, 1:24,000	$28,134	$28,134	$56,268
2001	**Jackson North, Sullivan Gardens,** and **Leesburg** Geologic Maps, 1:24,000	$50,928	$50,928	$101,856
2002	**Lovelace** and **Mosheim** Geologic Maps, 1:24,000	$38,100	$38,100	$76,200
2003	**Camelot** and **Mascot** Geologic Maps, 1:24,000	$40,000	$40,000	$80.000
2004	**Binfield** and **Newport** Geologic Maps, 1:24,000	$32,186	$32,186	$64,372
2005	Convert 33 maps to digital coverages	$15,405	$15,405	$30,810
	TOTALS	**$276,773**	**$276,773**	**$553,546**

To date, 491 of Tennessee's 804 7.5-minute quadrangles (over 61 percent) have been mapped and published. Over the past 11 years, STATEMAP matching funds have helped support geologic mapping of 18 of these quadrangles. The Tennessee Mapping Advisory Committee prioritized all of them. Recently published maps have been used as part of Phase I Environmental Site Assessments at industrial facilities, to evaluate groundwater flow and potential for migration of contaminants that may have been released to the soil and groundwater, to prepare a proposal for the Tennessee Department of Transportation for a new roadway, and by a state regulatory agency as basic information tools in their regulatory functions, spill, and complaint investigations. According to one state official, "The generally complex geology of upper East Tennessee's Valley and Ridge structure begs for more complete, detailed geologic maps for use in site evaluation and decision making. These published to date are extremely helpful."

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